

MARKET BULLETIN

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Est.

1913



RESEARCHER AIMS TO DEVELOP CHICKPEAS AS WINTER CASH CROP IN SOUTHEAST

BY DENISE ATTAWAY, CLEMSON UNIVERSITY

The southeastern United States' climate isn't ideal for chickpeas, but a Clemson University researcher believes she can develop a variety that could serve as a winter cash crop for organic farmers in the region.

Dil Thavarajah, a professor of pulse quality and organic nutritional breeding, has received a \$2 million grant from the U.S. Department of Agriculture (USDA) to create short-season organic chickpea cultivars suited for the Southeast.

"Chickpea is a pulse crop," said Thavarajah, who leads the Clemson Pulse Quality and Nutritional Breeding Program. "Pulse crops are a significant source of plant-based protein, making them healthy for humans to eat. They also improve soil health and provide nitrogen benefits for cropping systems."

The project aims to develop chickpea cultivars with high protein quality, good digestibility, improved flavor and acceptable milling quality for organic production. Key objectives include establishing an organic breeding pipeline for chickpeas, creating a genomic prediction system for mapping traits, and developing educational and Extension activities through Clemson's "Going Organic" platform, industry partners, eOrganic resources and consumers.

Graduate and undergraduate courses will also be created as part of the initiative.

In addition to Thavarajah, other researchers involved in the project are Clemson geneticist Stephen Kresovich and



A Clemson University researcher aims to develop chickpea cultivars with high protein quality, good digestibility, improved flavor and acceptable milling quality for organic production.

USDA Agriculture Research Service geneticist George Vandemark. Growers participating are Glenn Roberts, founder of Anson Mills in Columbia, South Carolina, and Rollen Chalmers of Hardeeville, South Carolina. On-farm breeding and cultivar development activities are taking place at WP Rawl in Pelion, South Carolina.

Chickpeas are primarily grown in Idaho, Washington, Oregon, Montana, North Dakota, South Dakota, Nebraska, Colorado and California. The researchers are focused on identifying varieties that can thrive as a winter cash crop in the Southeast, replacing acreage typically left fallow or planted with cover crops.

Conventional chickpea varieties are often unsuitable for organic farming and organically grown pulse crops tend to have lower protein content, making organic pulse proteins more expensive. With rising production costs and falling commodity prices, organic farmers are seeking new crop options.

Once a suitable cultivar is developed, Cooperative Extension Service agents will provide farmers with the necessary resources to incorporate chickpeas into their crop rotations.



COMMISSIONER'S CORNER

HUGH E. WEATHERS

SOUTH CAROLINA COMMISSIONER OF AGRICULTURE

BACK TO WORK

After a restive and joyful holiday season with my family, I'm happy to be back at work and planning for the next year — and the next few decades — in South Carolina agriculture. We've got an important year ahead.

First, let me thank our leaders in Washington for reaching an agreement that should help get some relief for farmers affected by storms and other economic hardships. Right before the holidays, Congress passed a bill authorizing USDA to give out \$30.7 billion in disaster assistance and economic assistance to farmers. This bill is the first step in a long process, but we'll be working with federal authorities to understand how that assistance will be distributed and how South Carolina farmers can get the help they need.

The legislation also extends the Farm Bill deadline through next year, giving some breathing room to work on that all-important legislation.

Now, on to Meeting Season. That's the name I've given to the early part of the calendar year in South Carolina. It's a slow time for many farmers as far as planting and harvest, which is I suppose why we have all our meetings now. This is an opportunity to learn and network within your corner of the ag industry. Here are a few important meetings to put on your calendar. You never know — you might see me there!

- Southeast Regional Fruit and Vegetable Conference, January 9–12 in Savannah, GA
- South Carolina Watermelon Association Annual Convention, January 17–19, Hilton Head
- South Carolina Specialty Food Association Annual Meeting, January 21, Columbia
- South Carolina Agritourism Association Annual Conference, January 26 – 28, Kershaw-Lexington-Newberry counties
- South Carolina Cotton Growers Meeting, January 28, Santee
- South Carolina Peanut Growers Meeting, January 30, Santee
- South Carolina Association of Farmers Markets, February 11, Columbia
- Southeastern Wildlife Expo (SEWE), February 14–16, Charleston
- Farm to School Summit, February 21, Columbia
- South Carolina Women in Agriculture Conference hosted by Clemson Extension, February 28–March 1, Aiken
- Certified SC Showcase and the Taste of South Carolina – March 26–27, Columbia (agriculture.sc.gov/showcase)

Have a Happy New Year!

Certified SC Showcase
THURSDAY, MARCH 27, 2025
COLUMBIA METROPOLITAN CONVENTION CENTER
Early Bird Pricing now through January 31
 Visit agriculture.sc.gov/showcase to register

UPCOMING EVENTS

Volunteer Days

January 18 • 8 – 11 am

Farm friends this is an opportunity for you to gain skills and experience around gardening and animal husbandry, meet neighbors, and help us accomplish a few tasks. We welcome employers, companies and organizations looking for a place your employees, group members can participate in community service activities. We will supply the tools, snacks, refreshments, and beverages. This is a great activity for families, groups of friends, clubs and organizations. Children should be at least 5 years old with a parent or guardian to provide assistance.

Morning Glory Homestead Farm

42 Robert And Clara Trail, St Helena Island
morninggloryhomestead@gmail.com • 843-812-0344
[facebook.com/morninggloryhomesteaders](https://www.facebook.com/morninggloryhomesteaders)

Sunday Oyster Roasts

January 19, February 23, March 30 • 11 am – 5 pm

It's Oyster Season time! This season we are hosting Sunday Oyster Roasts through March on our five-acre field alongside the Noisette Creek! These ticketed events on select Sundays offer music by local djs as you shuck All-You-Can-Eat oysters brought to you by Reeds Catering and Lowcountry Oyster Co. Event attendance is limited, and tickets must be purchased in advance. 1/19 Music: DJ CabanaVibez, Food Truck: Pizza da Michelino. 2/23 Music: DJ CabanaVibez, Food Truck: Trippy Dogs. 3/30 Music: DJ CabanaVibez, Food Truck: Pizza da Michelino.

Firefly Distillery

4201 Spruill Avenue, North Charleston
info@fireflyvodka.com • 843-557-1405
[fireflydistillery.com/event/sunday-oyster-roast-november](https://www.fireflydistillery.com/event/sunday-oyster-roast-november)

Smokehouse Day

January 25 • 9 am – 12 pm

Join us to celebrate the pig! The public is invited to experience how families would have prepared pork to be preserved on a typical Horry County Farm in the early 1900s. Winter was a season when the farm family was often dependent on home preserved foods, and the perfect time of year for curing pork.

L.W. Paul Living History Farm

2279 Harris Short Cut Road, Conway
calder.marian@horrycountysc.gov • 843-915-7861
[horrycountymuseum.org](https://www.horrycountymuseum.org)

Grand Tour

Explore all corners of D&S Plantation with our Grand Tour. Get an up-close look at our sustainable practices, from the gardens to the animal areas, and learn about our commitment to the environment. Perfect for anyone interested in sustainable living. \$35 and last 1 hour 30 minutes.

D & S Plantation

2590 S Okatie Hwy, Hardeeville
hello@dsplantationllc.com • 843-384-1958
[facebook.com/dsplantation?_rdr](https://www.facebook.com/dsplantation?_rdr)

Lowcountry Creamery Group Tours

Now offering group tours of the dairy and facility. Offered by appointment only. \$15 dollars per person (cash or check only). Great for anyone aged 8 and up. Groups of at least 10 and no more than 30 people. 1-1.5 hours for general tours, 2 hours for field trips. Available activities depend on the age, day of the week, and weather. Be sure to wear appropriate footwear (closed toed shoes you can get dirty).

Lowcountry Creamery

2714 Landsdowne Road, Bowman
[facebook.com/lowcountrycreamery](https://www.facebook.com/lowcountrycreamery)

Farm Visits

OnAgain OffAgain Farm is open to visitors by appointment. There is no charge for a farm visit, though we do cheerfully accept donations. While here be sure to visit our farm store for alpaca related gifts. During your visit, we will talk about the history of alpacas, where they come from, how to care for them and what people do with them. You will have the opportunity to get up close and personal with an alpaca. Some will eat out of your hand, some will allow you to pet them. We usually have cria (babies) pronking around in the field. You will be walking around a working farm and poop happens so dress accordingly, especially with your footwear!

OnAgain OffAgain Farm

262 Hollis Drive, Spartanburg
 Appts, call or text: 864 680-9845 or 864 680-9854
[facebook.com/OnAgainOffAgainFarm](https://www.facebook.com/OnAgainOffAgainFarm)

SALES & AUCTIONS

Yon Family Farms Spring Cattle Sale

February 15 • 11 am

Offering 200 long yearling, reg. Angus bulls, ready for breeding, along with 100 Angus females: pairs, bred cows, and heifers. Select offering of SimAngus & Ultrablacks.

Ridge Spring

Contact: Yon Family Farms
lydia@yonfamilyfarms.com • 803-622-8597
[yonfamilyfarms.com](https://www.yonfamilyfarms.com)

Market Bulletin Office

Monday – Friday • 8 AM – 4:30 PM

803-734-2536 • marketbulletin@scda.sc.gov

agriculture.sc.gov/market-bulletin

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South Carolina Department of Agriculture Contacts

Commissioner's Office
803-734-2190

Certified SC Program
803-734-2207

Market News Recording
803-737-5900

Consumer Protection
803-737-9700

Metrology Laboratory
803-253-4052

Fruit & Vegetable Inspection
803-737-4588

Milk Safety
803-667-1161

Hemp Farming Program
803-734-8339

Produce Safety
803-753-7267

Market News—Fruit & Vegetable
803-737-4671

Retail Food Safety
803-896-0640

Market News—Livestock & Grain
803-737-4491

Wholesale Food Safety
803-737-0147

The South Carolina Market Bulletin

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POLICIES FOR ADVERTISING

For our full policies, please visit:

agriculture.sc.gov/market-bulletin-policies

Only ads pertaining to the production of agricultural products and related items are published. Ads are accepted for South Carolina items, even if the seller lives out of state, provided the item is in state at the time the ad is published and at the time of sale.

Ads are published free of charge and in good faith. The *Market Bulletin* reserves the right to edit and verify ads but assumes no responsibility for their content.

Ads cannot be accepted from agents, dealers, or commercial businesses, including real estate. Sealed bids, legal notices, or consignment sales are not accepted.

SUBMITTING ADS

No matter the submission method, submissions must include the advertiser's name, complete address with zip code and county, and phone number with area code. While we don't publish the address, we need this information for our records. Do not use all capital letters.

- **Online:** Go to agriculture.sc.gov/market-bulletin. Select "Submit Market Bulletin Ad" and complete the form. If you include your email address, you will receive an automated reminder for a renewal.

- **Mail:** SC Market Bulletin, PO Box 11280, Columbia, SC 29211. You must use 8.5 × 11 inch paper.

- **Email:** Send ads to marketbulletin@scda.sc.gov. Put the words "Market Bulletin ad" in the subject line.

- **Fax:** 803-734-0659

The deadline for submitting ads and notices is noon on Tuesday of the week **before** the publication date.

NEXT AD DEADLINE

JANUARY 21 • 12:00 PM

SCDA State Farmers Markets

SOUTH CAROLINA STATE FARMERS MARKET

3483 Charleston Highway
West Columbia, SC 29172
803-737-4664

GREENVILLE STATE FARMERS MARKET

1354 Rutherford Road
Greenville, SC 29609
864-244-4023

PEE DEE STATE FARMERS MARKET

2513 W. Lucas Street
Florence, SC 29501
843-665-5154

VISIT [AGRICULTURE.SC.GOV](https://www.AGRICULTURE.SC.GOV)

Click on the State Farmers Markets
button for more information about
each location

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Name _____ Paper: \$15 / 1 year Electronic: \$10 / 1 year
*Active email address required

Address _____ Paper & Electronic: \$20 / 1 year
*Active email address required

City _____ State _____ Zip _____ New Renewal

Phone _____ Check # _____ Renewal ID # _____

Email _____ This is a gift

1/16/25

EQUINE

THE SELLER MUST PROVIDE A COPY OF A CURRENT NEGATIVE COGGINS TEST WITH THE AD. SCANNED COPIES ARE ACCEPTABLE.

14 Y/O BUCKSKIN QH GELD
reliable trl horse, interm rider, great personality, easy keeper, \$4500
Aimee McCord
Greenville
864-915-8573

FRESH PRODUCE

PRODUCE MUST BE RAW AND NON-PROCESSED. RAW MILK, BUTTER, AND CHEESE PRODUCTS MUST BE PERMITTED BY SCDA. AN EGG LICENSE IS NOT REQUIRED FOR ON-FARM POINTS OF SALE.

SUGARCANE
Blue Ribbon, \$75/100 stalks or 10 stalks for \$15
Freeman Noles
Barnwell
803-383-4066

FARM CHICKEN EGGS
\$3/dz
Ron Handley
Georgetown
843-896-0829

GARDEN

ADS ARE NOT ACCEPTED FROM COMMERCIAL NURSERIES, WHICH HAVE ANNUAL SALES OF \$5,000.

BLKBERRY PLANTS
3/\$25; Figs, Pomegranate, Elderberry plants, \$20; grapevines, \$10
Freeman Noles
Barnwell
803-383-4066

MUSCADINE PLANTS
purple, lrg fruit & hvy bearing, \$5 ea or 5 for \$20
Brian Gray
Greenville
864-908-9777

HOGS / PIGS

YORKSHIRE/DUROC PIGS
30-40 lbs, \$70
Clayton Culler
Orangeburg
803-622-9790

GOATS / LLAMAS / SHEEP

5 Y/O KIKO BUCK
good breeder, selling to prevent inbreeding, \$400
John Gilbert
Pickens
864-868-4660

2 Y/O ND NANNY
\$150
William Yarborough
Colleton
843-835-3953

7 M/O KATAHDIN RAM
gentle, hand raised, \$200
Tammy Hodge
Sumter
803-983-5041
KATAHDIN RAM
B-4"/22, proven breeder, \$300
Rebekah Olson
York
803-351-4994

ST CROIX RAM LAMBS
low FEC, well-muscled, no disease, MGS for low FEC, \$425-450
Eddie Martin
Anderson
864-305-7992

DAIRY GOATS
wethers & does, mixed
Lamancha, Alpine, Nubian, not disbudded, \$125+
Beverly Ammons
Berkeley
843-761-2962

5 DORPER X KATAHDIN EWES
1 y/o, bred to Dorper, \$250 ea
Benny Goff
Kershaw
803-269-8189

2 PYGMY BUCKS
9 m/o & 4 m/o, healthy, dewormed, \$25 ea
Melody Steele
Lexington
803-604-7780

HAY & GRAIN

'24 4x5 HQ CB
net wrap, fert & lime, NR, barn kept, del aval for fee
Edward Chavis
Barnwell
803-671-3108

'24 MIXED GRASS
4x4, \$35; 4x4 Johnsongrass, \$25; well fert, barn stored, net wrap, 4x5 Johnsongrass, \$35
Leon Fulmer
Newberry
803-924-0493

BULK BAGGED OATS
\$250/50 bu bag; yr 55 gal filled barrel, \$40/barrel
Josh O'Tuel
Marlboro
843-439-0258

'24 4x5 RND CB
net wrap, under shed, \$55/bale, in field, \$50/bale
Josiah Williams
Bamberg
843-693-1970

HQ 4x5 RND COASTAL
net wrap, no litter used, \$65 in field, \$80 at barn; sq, \$8.50 in barn; more
George McCooy
Chesterfield
843-307-8866

'24 FESCUE/CLOVER MIX
4x5 rnd net wrap, \$45; 4x5 film wrap baleage, \$60
Jonathon Watkins
Saluda
864-980-6877

'24 MIXED GRASS BERMUDA
Fescue & other summer grasses, 4x5 rnd, no weeds, \$50/bale
Quinton Whitener
Union
803-923-2036

'24 4x5 RND HQ CB
barn kept, \$80; field kept, \$65; CQ, \$55; net wrap, will del for fee
Tyler Sanderlin
Barnwell
803-709-2626

MOSTLY CRAB GRASS HAY
4x5 net wrap, 300 bales, \$40
James Livingston
Lexington
803-530-3169

'24 RND HQ COASTAL
\$70/bale; CQ, \$60/bale, shed kept, limed/fert, \$8/sq, del avail
Eddie Phillips
Sumter
803-486-0081

'24 SQ FESCUE
NR, in barn, \$7 ea; goat & cow, \$6 ea
Jerry Butler
Laurens
864-697-6343

COMBINE RUN WHEAT SEED
& Corn, both \$10/50 lb bag
Larry Green
Spartanburg
864-303-7004

COW HAY
\$50 ea; Wheat straw, \$40 ea; both 4x5 & net wrap
Richard Knight
Kershaw
803-427-6440

'24 4x5 NET CQ
\$50/bale; HQ net, \$60/bale; HQ silage wrap dry Fescue, \$75/ea; silage wrap haylage, \$75/ea
Allen Kellett
Greenville
864-607-7444

'24 HQ RND CB
800-900 lbs, net wrap, can del for fee, \$70
Charles Howle
Darlington
843-250-1636

4x5 RND MIXED GRASS
\$55 ea
Darrell Baldwin
Laurens
864-876-3372

RND BALES
\$65/shed kept, \$60/outside
Bobby Zimmerman
Lexington
803-317-8681

'24 4x5 RND CB
\$50/bale
Johnnie Legree
Bamberg
803-614-4665

'24 4x5 FESCUE
net wrap, \$45
Jason Nichols
Saluda
864-992-2753

'24 4x5 MIXED GRASS
net wrap, \$45/bale
Charles Nichols
Saluda
864-992-9292

CB W/SOME CRAB GRASS
\$55; Fescue, \$50; both '24 4x5 net wrap & in barn, east of Fountain Inn
Curtis Cooper
Laurens
864-270-7619

CB
\$70; HQC, \$60, both 4x5 & net wrap; Rye straw, \$5/bale, all barn kept
Howard McCartha
Lexington
803-312-3316

OATS
\$12.50/bag; Wheat, \$9.50/bag, both cleaned & in 50 lb bags, 10 bag min purchase
Kevin Yon
Saluda
803-622-4140

MIXED FESCUE
in barn, some under tarp, \$40-45, disc on 100
Richard Blighton
Anderson
864-338-5487

'24 RND HQ CB
net wrap, in shed, \$70/bale; in field, \$60/bale
David Fulmer
Orangeburg
803-917-0467

'24 SQ FESCUE
fert, NR, \$6 ea; goat & cow, \$4 ea; in barn
Jan Hall
Greenville
864-525-9701

'24 5x5 RND FESCUE MIX
barn kept, hauling avail for fee, \$60 ea
John Telligman
Chester
803-374-6231

HQ 5x6 RND COASTAL
wrapped, stored in dry, \$180/ton, 5 bale min p-up
Sally Harrison
Saluda
803-622-8597

'24 4x5 RND CB
HQ, \$65 ea; GQC, \$50 ea
Carroll Harmon
Lexington
803-359-3956

'24 CRABGRASS HAY
\$45/lrg rnd, \$30/sm rnd
Joseph Johnson
Berkeley
843-567-7774

'24 4x5 RND CB
NR, barn stored, \$70/bale
Mike Cousins
Newberry
803-924-7539

'24 HQ COASTAL
\$8/sq
Michael Barton
Calhoun
803-707-4095

MISCELLANEOUS

GARDEN TRACTOR
Cub Cadet 1450, 14 hp
Kohler, hydro trans, hyd lift, spare frame, tire, mwr frame, \$425 obo
Ralph Taylor
Chester
803-789-5110

OAK FIREWOOD
freshly cut & split, \$8/12 pcs bundle; or \$150/full truck bed
Nolan Harmon
Saluda
864-992-3190

CHICKEN LITTER
tractor trl qty, \$500/load w/ in Newberry Co, \$500/load + del fee outside Newberry Co
Evan Horne
Newberry
803-960-2699

OAK FIREWOOD
long bed p/up, del & stack, cut to size, \$150
Ronald Wright
Richland
803-606-1666

2 FEED BINS
7 ton w/4" auger & 10 down spouts + pwr unit, \$1500; 1 ton hog w/100' auger sys, \$500; more
Henry Gunter
Lexington
803-260-5502

MEAT SAW
GC, needs motor, \$300
Joseph Johnson
Berkeley
843-567-7774

4' TUBE GATE
\$40; 7'x3/8 chain hook one end, \$20
Russell Goings
Union
864-426-2309

HORSE HAY RING
\$400
Deborah Worth
Aiken
803-605-4644

CARPENTER BEE TRAPS
sold & mailed in lots of 5 for \$85 ppd
William F Timmerman
Aiken
803-640-6265

HDWD LUMBER
boards 1"x12"x8'L, \$4/bdft, 300 bdft min/del, will custom cut for lrg dels
Ryan Anderson
Greenville
864-234-2918

5 HP ELEC MOTOR
new, bought for grain auger, nvr used, \$750
Charles Nichols
Saluda
864-992-9292

WHT OAK LUMBER
2"x6" & 8"Wx20'L, \$4/bdft; Ariens 46" riding lawn mwr, B&S 22 hp, EC, \$700 obo
Lecil Hembree
Spartanburg
864-316-1222

TOP SOIL/FILL DIRT
\$2/yd
R Adams
Darlington
843-393-7280

KRAUT CUTTER
\$125; Blksmith post vice, \$175; #20 wash pot, \$150
R Long
Newberry
803-924-9039

FIREWOOD AND/OR LOGS
hdwd trees on the ground, \$5/load
Clyde Bridges
Greenville
864-354-7619

4 1/2x7 PORTA HUTS
livestock shelters, \$100+
Cecil Hooks
Marion
843-430-4906

24' 6500 BU GRAIN BIN
w/fan, sweep & unloading auger, \$2800
Carl Brown
Aiken
803-640-0281

PURPLE MARTIN GOURD RACKS
hay rake/umbrella design, 12 prong, \$85; 16 prong, \$100
Chance Huckabee
Darlington
843-861-5385

CEDAR
7' rnd posts, \$3 ea; poles, 8'/\$6, 10'/\$8; sq fence post, 4x4x8', \$8; lumber, \$3/bdft; mulch, \$50 p-up load
Andy Morris
Newberry
803-924-0433

OLD COMP FARM BELL
old, #3, \$350; xl farm bell, w/wheel, comp, \$1200; #20 hash pots, \$200 ea; #15, \$150; more
Perry Masters
Greenville
864-561-4792

55 GAL FG DRUMS
metal & plastic open top w/top & rings, \$20+; solid top 55 gal, \$20 ea; 275 gal portow tanks, \$60 ea
Philip Poole
Union
864-427-1589

PLANTS & FLOWERS

ADS ARE NOT ACCEPTED FROM COMMERCIAL NURSERIES, WHICH HAVE ANNUAL SALES OF \$5,000.

MONKEY GRASS
aka Liriope, Hosta, \$4 ea; Iris, Daylily, \$5 ea; Hydrangea, Gardenia, \$10 ea
Woody Ellenburg
Pickens
864-855-2565

PECAN TREES
Bare Root, Avalon, Lakota or Pawnee, \$30 ea
Wade ten Bensel
Lancaster
803-283-4631

PEACH TREES
wht & yellow flesh free stone, \$20 ea, lv msg w/ name & number
Kenneth Marsengill
York
803-981-7559

AZALEAS
Gardenia, Boxwoods, \$6; Tea Olives, \$8; Camellias & Carolina Sapphire, \$20; Little Gem Magnolia, \$35
Freeman Noles
Barnwell
803-383-4066

MURRAY CYPRESS TREES
3-4" T, trees are evergreens, creates natural fences, dividers, etc, \$15 ea
Thomas Barksdale
Laurens
864-423-5894

SEED

ADS MUST BE ACCOMPANIED BY A CURRENT SEED LAB TEST.

BROWN TOP MILLET
G-88%, D/HS&G-88%, cleaned, in 50 lb bags, \$35/bag
Jeffrey Gilmore
Chesterfield
843-517-0315

Review our ad policies online

AGRICULTURE.SC.GOV/ MARKET-BULLETIN-POLICIES

POULTRY

RABBITS

GROWN GUINEAS

\$20 ea; yng, \$7+; Cochin bantams, \$10+ Philip Poole Union 864-427-1589

WHT KING PIGEONS

\$15 ea; Toulouse & Emden geese, \$100/mated prs Benson Ray Georgetown 843-933-5367

BOBWHT QUAIL

flight ready, \$5 ea Jack McCaskill Kershaw 803-427-3031

BOB WHT QUAIL

flight & weather cond, \$5.75 ea John Reed Sumter 803-464-5757

2 MANDARIN DUCKS

\$85 ea; 2 yellow/golden Pheasants, \$75 ea; all 8 m/o M Mac Baltzegar Lexington 803-414-2008

PIGEONS

Racers, \$10 ea, lv msg Neal Miles Barnwell 803-300-0716

SWEATER/KELSO COCK

2½ y/o, \$50 Russell Goings Union 864-426-2309

PEACOCKS

4 Pieds, 4 Blk Shoulders, \$300 ea Sherrell Jackson Lexington 803-796-1741

PULLETS

4 Silkies, 1 wht, 3 brn; 2 blue egg layers, 4 Silkie roos, \$15 ea Raymond Decker Lexington 803-317-5558

INDIA BLUE PEA HEN

yng, \$175 Jirzah Fellows Aiken 803-443-8572

HUBBLE PIGEONS

breed is raised commercially for squab production, solid wht, \$15+ R Adams Darlington 843-393-7280

LAVENDER ORPINGTONS

& jumbo Coturnix quail, \$5 ea Brian Motley Kershaw 803-315-7598

PIGEONS

Blk Eagles, \$10 ea; Wht Racers, Blue Bars & Blue Checks, \$5 ea; Made it Wht prs, \$20 Smittie Smith Pickens 864-561-5534

16 GAME ROOSTERS

all breeds, \$5 ea; Game hens, \$8 ea; all 2 y/o Melody Steele Lexington 803-687-0921

REX

all colors, yng, \$15-20 ea; grown bucks, \$20 ea; does, \$25 ea; LA cottontail grown bucks, \$20 ea; does, \$25 ea Philip Poole Union 864-427-1589

LA COTTONTAILS

crossed on MS cane cutter, \$12 ea Danny Cook Newberry 803-924-6953

NZ MIX

yng M/F, \$25 ea Tirzah Fellows Aiken 803-443-8572

WANT - FARM EQUIPMENT

WANT - LIVESTOCK

7' CUT HAY DISC

Krone or Kuhen, late mod, must be in GC w/history & man John Gossett Spartanburg 803-222-7786

BOX SCRAPE

Gill/Gannon/Woods roll-over type, state size/cond/price, photos helpful Thomas McArdle Greenville 864-270-4824

5-6' SIDEWINDER

bush hog pool type w/tire on top, in GC Jessie Night Lancaster 803-287-3940

FA B

in GRC w/GC sheet metal Robert Yonce Aiken 803-685-7240

EACH AD MUST LIST SPECIFIC ANIMALS.

BEEF CATTLE

any age or size Kenneth Satterfield Laurens 864-304-3172

MUSCOVY & RUNNER DUCKS

& Jungle fowl Sierra Henson Spartanburg 864-463-4091

WANT - MISCELLANEOUS

ANY SIZE WASH POTS

syrup kettle, anvils, lrg coffee grinder, old lighting rod w/balls & weathervane, more Perry Masters Greenville 864-561-4792

MANURE

cow or chicken, & woodchips Lora Baldwin Lexington 803-318-5635

PULPWOOD SAW TIMBER

hdwd pine, all types of thinning or clear cut, Upstate cos Tim Morgan Greenville 864-420-0251

ANTI Q CATERPILLAR PARTS

new or used Andrew Shealy Spartanburg 864-621-6001

BLKSMITH ANVILS

any size farm bells, #3 & #4 bell cradles R Long Newberry 803-924-9039

FARM WAGON

1 or 2h w/wood spoke whls Harry Isbell Anderson 864-617-2627

RED-COCKADED WOODPECKERS NO LONGER FEDERALLY ENDANGERED FOR FIRST TIME SINCE 1970

BY SCDNR

After decades of conservation efforts in South Carolina and elsewhere in the Southeast, the red-cockaded woodpecker is no longer listed as federally endangered.

The U.S. Fish and Wildlife Service announced the down-listing of the red-cockaded woodpecker from endangered to threatened status under the Endangered Species Act; the changes took effect Nov. 25, 2024. This recovery milestone reflects the decades-long conservation work of countless cooperators from both public and private sectors. Recovery of the red-cockaded woodpecker has been dependent on many people who have devoted their time, resources and even their careers to reestablishing robust populations throughout the Southeast.

"We are celebrating a remarkable conservation milestone," said Emily Cope, deputy director of the S.C. Department of Natural Resources Wildlife and Freshwater Fisheries Division. "While this is a moment of progress, it also serves as a reminder that nature's recovery is a shared responsibility, one that requires persistence, collaboration, and a deep commitment to the landscapes we all rely on. The future of the red-cockaded woodpecker—and the ecosystem it represents—is brighter today thanks to the efforts of those who never gave up."

There are few species so intricately tied to mature southeastern pine forests as the red-cockaded woodpecker. Unlike other woodpecker species, the red-cockaded woodpecker excavates cavities into living pine trees. The process can take years, but the resulting cavities can provide shelter for the woodpeckers and numerous other animal species for decades. Red-cockaded woodpeckers each sleep in their own cavity every night and nest in the best

available cavity annually. The birds are cooperative breeders, meaning they live and spend their time in family groups. Many young birds remain at their natal territory, where they help raise successive generations while waiting to fill a breeding role.

When European settlers first arrived in what is now the southeastern United States, they encountered huge expanses of open, park-like pine forest. The mature pines towered over diverse forest floors of grasses, shrubs and wildflowers. Regular low-intensity wildfires that kept the hardwoods and shrubs at bay maintained this open forest structure. Habitat like this once covered an estimated 90 million acres of the Southeast and provided immense stretches of habitat for the red-cockaded woodpecker. Settlement created a huge demand for both pine timber and the products produced from pine pitch, including turpentine, rosin and tar. In the centuries following settlement, these pine forests were whittled down to a tiny fraction of their original range. The red-cockaded woodpecker's decline followed.

Red-cockaded woodpeckers were recognized as endangered in 1970 and were given protection under the Endangered Species Act of 1973. The population estimate at the passing of the bill was fewer than 10,000 birds. Though the red-cockaded woodpecker will continue to receive a similar level of protection, the downlisting and new rule under Section 4(d) of the Endangered Species Act aims to remove barriers to certain land management practices that help restore and maintain red-cockaded woodpecker habitat.

The hard work and persistence of many individuals and agencies over the past 50 years has allowed red-cockaded woodpeckers to reoccupy habitat

throughout their range. Many programs have contributed to this success.

In 1998, the S.C. Department of Natural Resources initiated its hugely successful RCW Safe Harbor Program. The Safe Harbor program encourages private landowners to enter voluntary agreements under which the landowners provide and improve habitat for red-cockaded woodpeckers without incurring land-use restrictions if the management activities attract more of the birds.

The downlisting will not change the RCW Safe Harbor Program or any benefits to enrollment. The program currently has roughly 200 enrolled landowners whose properties comprise over 360,000 acres and nearly 500 red-cockaded woodpecker family groups. In addition to the Safe Harbor program, SCDNR has 118 active red-cockaded woodpecker clusters on 12 properties, with staff regularly working to expand these populations.

Though the story of red-cockaded woodpecker conservation is not yet over, the recent down-listing marks a substantial progress towards the species' recovery. Continued land management that supports the species and mature pine ecosystems will allow for the birds to persist into the future.

More information on the red-cockaded woodpecker and the South Carolina RCW Safe Harbor Program can be found at dnr.sc.gov/wildlife/rcw.html

The downlisting announcement and corresponding 4(d) rule published by U.S. Fish & Wildlife Service can be found at federalregister.gov/d/2024-23786.

IN MEMORY OF JIMMY CARTER, GEORGIA PEANUT FARMER AND 39TH US PRESIDENT

BEFORE HE BECAME PRESIDENT, HE HAD A SUCCESSFUL CAREER IN THE PEANUT INDUSTRY

BY AMERICAN PEANUT COUNCIL

ALEXANDRIA, Va. — The American Peanut Council joins the nation and the world in celebrating the amazing life and contributions of Jimmy Carter, Georgia peanut farmer and 39th President of the United States. President Carter is widely known for his achievements in politics, human rights advocacy, and diplomacy. However, before he became president, he had a successful career in the peanut industry. President Carter was quoted as saying, ‘The things I learned from being a peanut farmer put me in good stead throughout my life’s work.’

President Carter had been an ardent supporter of the American Peanut Council. Through the years he was generous with his time, graciously meeting with many international trade delegations and sharing his knowledge about peanut farming and the industry. These gatherings always proved to be the highlight of the tours and a cherished memory for participants. Overall, President Carter’s

contributions helped promote the peanut industry, and his work helped to showcase the peanut as an important crop in the United States and around the world.

Carter grew up on a peanut farm in Plains, Ga., and after graduating from the U.S. Naval Academy and serving in the Navy, he returned to manage his family’s farm supply business and several hundred acres of land. Carter later decided that instead of just buying and reselling certified seed as his father had done in his business, it would be more profitable if he started growing the peanut seed himself. The increased income enabled him to expand the family warehouse operation. Carter’s warehouse not only included the sale of certified seed peanuts, custom peanut shelling and the buying and storing of peanuts, but it included the service of supplying other farm inputs necessary for peanut production.

After their return from the White House, the Carters reassessed their land use. Expanding on their commitment to good land stewardship, the Carters managed their land to be economically productive and to provide wildlife and recreation. They not only set a good example, but they used their position to amplify the importance of stewardship, reforestation, conservation and protection of the environment.

President Jimmy Carter’s remarkable journey from a humble peanut farmer, to a global statesman and environmental advocate is a testament to his enduring legacy of leadership and service. His profound connection to the peanut industry and his lifelong dedication to stewardship and sustainability continue to inspire generations. As we honor his extraordinary life and contributions, we are reminded of the values he exemplified—hard work, humility, and a deep commitment to making the world a better place.

CLEMSON ANNOUNCES 2025 SOUTH CAROLINA COTTON GROWERS MEETING

BY DENISE ATTAWAY, CLEMSON UNIVERSITY

SANTEE, S.C. — Cotton growers can learn about the current crop situation and price outlook as well as new varieties during the 2025 South Carolina Cotton Growers Meeting slated for Jan. 28 in Santee, South Carolina.

The meeting gets underway with registration at 8:15 a.m. at the Santee Conference Center, 1737 Bass Drive, Santee. Frank Rogers, chairman of the South Carolina Cotton Board, kicks off the first morning session at 9 a.m. with a welcome and update from the Cotton Board followed by reports from South Carolina Commissioner of Agriculture Hugh Weathers and Tas Smith, vice president of producer affairs for the National Cotton Council.

Cody Simpson, chief executive assistant and agriculture advisor for Gov. Henry McMaster, will give an update from the governor’s office. Nathan Smith, Clemson Extension economist, will give a cotton situation and price outlook for 2025.

The second morning session includes a report from Gaylon Morgan, director of agronomy and weed control for Cotton Incorporated. Jane Dever, director of the Pee Dee Research and Education Center, will follow with a presentation on navigating cotton research through seed industry and public breeding transitions.

The morning sessions end with a report from Cory Heaton, Clemson Extension state wildlife specialist, on the influence of deer pressure on South Carolina cotton.

Following lunch, Maryn Findley, grower enrollment specialist with the U.S. Cotton Trust Protocol, will give updates on the program. Mike Jones, Clemson Extension cotton specialist, will talk about the 2024 cotton crop, as well as give an update on new varieties growers can expect to see coming soon.

Information about new cotton varieties for the southeastern United States will also be delivered by industry representatives: Will Grover of BASF, Brady Arthur of Americot, James Bookhart of Bayer Crop Science and Shawn Butler of PhytoGen.

The meeting wraps up with a discussion about new developments in the cotton industry. It is expected to end at 2:45 p.m.

For information, contact Mike Jones at majones@clemson.edu.



CLEMSON ANNOUNCES 2025 SOUTH CAROLINA PEANUT GROWERS MEETING

BY DENISE ATTAWAY, CLEMSON UNIVERSITY

SANTEE, S.C. — Technological advances, precision agriculture, sustainability and economics are among the topics on the agenda for the 45th South Carolina Peanut Growers Meeting.

The meeting is scheduled for Jan. 30 at the Santee Conference Center, 1737 Bass Drive, Santee, South Carolina, 29142. Registration begins at 8:30 a.m.

The morning session includes a welcome from Richard Rentz, chairman of the South Carolina Peanut Board, and an update from Hugh Weathers, South Carolina’s Commissioner of Agriculture. Josey Peele of AMADAS Industries will discuss technological advances in peanut harvesting and Eric Streepy of the Kelley Manufacturing Company (KMC) will present on combine setup and maintenance. Kendall Kirk, Clemson Extension precision agriculture engineer, will provide an update on using precision agriculture in peanut research. Allison Randell, sustainability director for the American Peanut Council, will present on the Sustainable U.S. Peanut Initiative. The morning session concludes with a presentation by Clay Pirkle, director of operations for the Georgia Federal-State Inspection Service, on using improved probe technology for the buying point.

Peanut yield contest awards will be announced during lunch, followed by prize drawings before the afternoon session begins. The KMC Grand Prize is a \$5,000 voucher to be used towards a piece of equipment or parts. To be eligible, growers must visit the Kelley Manufacturing Company booth for entry and be certified as a peanut grower with a Farm Service Agency farm number.

Grand Prize from AMADAS is the use of a new 4-row or 6-row AMADAS Peanut Digger/Inverter for the 2025 harvest season or \$10,000 towards the purchase of a new AMADAS Self-Propelled Peanut Combine or \$5,000 towards the purchase of a new AMADAS 4-row or 6-row Pull-Type Peanut Combine. To be eligible, growers must be 2024 commercial peanut growers who intend to plant peanuts in 2025. Growers must be present to win.

The afternoon program includes a cost and returns outlook from Nathan Smith, Clemson Extension economist. Cody Simpson, agricultural advisor to Gov. Henry McMaster, will discuss programs benefiting farmers. Other speakers include Riley Godwin of the South Carolina Department of Natural Resources Region 3 Law Enforcement Division, who will address the proper use of depredation permits for wildlife management. Michael Marshall, Clemson Extension agronomic weed specialist, will provide a weed control update. Dan Anco, Clemson Extension peanut specialist, will discuss twin row and growth regulator effects on maturity and pod distribution.

The meeting is expected to conclude at approximately 3 p.m.

Continuing education and pesticide credits have been applied for. For more information, contact Dan Anco at 630-207-4926 or danco@clemson.edu.

HISTORY, DRONES AND SURVEYS GIVE UNDERGRADUATES VALUABLE EXPERIENCE

BY MARLON MORGAN, CLEMSON UNIVERSITY

Doctoral students Akshit Suthar and Crystal Anderson have been working on an umbrella project at the James C. Kennedy Waterfowl and Wetlands Conservation Center at Clemson University's Belle W. Baruch Institute of Coastal Ecology and Forest Science in Georgetown, South Carolina.

As part of their research, Suthar and Anderson co-teach an undergraduate class – Historical Rice Fields and Tidal Wetlands of Coastal South Carolina: Drones, Ducks and Decision Support. In speaking with Jim Anderson, director of the Kennedy Center and the Baruch Institute, Suthar and Crystal Anderson thought it would be good to get the undergrads into the field where they could better understand the wetlands and waterfowl, the history of the antebellum rice fields and the Gullah-Geechee community, as well as assist with data collecting for his and Anderson's research.

Suthar has been using drones for waterfowl research and wetlands management. It is the first waterfowl drone survey conducted in South Carolina. Crystal Anderson is currently conducting a social dimension survey to explore how waterfowl managers, the public and Gullah communities engage with antebellum rice fields and their perspectives on priorities for future management. To deepen their understanding of social surveys, students have been assigned to design their own survey focusing on hunter satisfaction with current hunting rules and regulations.

"We designed the program for students to learn about the history, wildlife ecology and simultaneously they can go in the field and have real-world experience which will help them to be ready for the job market or their master's program in the future," Suthar said. "We teach about the different methodologies and how they can use drones for wildlife research. Also, our social dimension theme helps them design their social surveys and reach out to the people and collect their perceptions about the landscape."

From Oct. 31 to Nov. 3, the students went to Georgetown where they visited the Tom Yawkey Wildlife Center, toured Hobcaw Barony and went to Sandy Island where they interacted with the Gullah-Geechee community and concluded their trip with a private visit to the Gullah Museum.

While at the Yawkey Wildlife Center, the students learned the background of what once was a historical rice field impoundment. This structure now continues the legacy established by Tom and Jean Yawkey of conducting pioneering waterfowl, wetlands and wildlife management activities supported by natural resources research. It also provides unique educational opportunities by interpreting the property's diverse cultural and natural history.

"The morning in the Yawkey Wildlife Center was my favorite part," said Sarah Kolarik, a senior wildlife and fisheries biology major from Travelers Rest, South Carolina. "Jamie (Dozier, project leader of Tom Yawkey Wildlife Center) talked to us about management and what waterfowl are eating, and freshwater and saltwater fields and how they manage for that. What really made it memorable for me was just how wild it was. It was just a massive expanse of open land and native plants. I got to watch a northern harrier glide totally silently across the rice field for probably half an hour. There were just so many birds. All you could hear was bird song all around you. I think I'm probably

of Gullah history, language and culture, and were able to view art pieces associated with Gullah life. Suthar and Crystal Anderson said the trip gave the class a unique perspective into the program and the research being conducted on antebellum rice fields.

"They learned about the history and the wildlife ecology," Suthar said. "They also learned about the management. Many programs just take you into the field and you completely learn about the ecology or research. But they do not consider the social dimension. They also do not consider the management perspectives.

"But on this trip, they experienced the people. They experienced the food. They experienced the culture. They experienced the exact area where these people used to work. This trip was more of an experience and holistic approach, how you can have ecology with imaging technology and human dimension."

Hannah Kern, a junior from Charleston, South Carolina, majoring in environmental and natural resources, said the trip was invaluable.

"It was cool to get my name out there as a junior undergraduate and to be able to

meet with so many different people," Kern said. "I learned how to interact in those research environments. So much stuff is taught in class, but this was the first time that I was in a meeting where we talked and learned how to interact in those conference rooms. I got to see a lot more about what I want to do and don't want to do post-grad."

Kern said she also got a chance to connect with members of her research team. Prior to the trip, most of their interactions were through text messages or via Zoom.

"Being able to stay in the cabin together at Hobcaw Barony was a fantastic experience and we got so much done with our research because we were able to communicate with each other the whole time."

After compiling the data collected for the social dimension survey on hunter satisfaction, the students will have their findings published and they will be listed as co-authors, a rare experience for undergraduates.

For the drone survey, they collected aerial images of the waterfowl and merged the color images with the thermal image, calculating and counting the birds using both images.

"I've also gotten a recreational drone pilot license, which is a good step up," Kolarik said. "The next one would be a commercial drone pilot license and that would be valuable and applicable to my future as a wildlife biologist. These things are preparing me for either continuing in academia or going straight into the workforce. I've gained a lot."



As part of an experiential learning trip, Clemson students went to Georgetown, South Carolina, where they visited the Tom Yawkey Wildlife Center, toured Hobcaw Barony and went to Sandy Island where they interacted with the Gullah-Geechee community and concluded their trip with a private visit to the Gullah Museum.

going to hang onto that and carry it with me."

From there, the students toured Hobcaw Barony, a 16,000-acre research reserve with a rich diversity of every ecosystem found on the South Carolina coast. The students explored pine forests, hardwood bottomland forested wetlands, rice fields, a former slave village and coastal marshes. They also collected data using drone-based aerial surveys.

On their final full day, the students visited the Sandy Island Gullah Community where they interacted with the Gullah-Geechee residents to collect social dimension data. They were treated to a traditional Gullah meal.

"Sandy Island is a really unique place," Kolarik said. "There's land there held by The Nature Conservancy. We got to walk around and look at all the different ecosystems they have on the island, including maritime forests and sand hills. We talked to people who live on Sandy Island. The person leading the tour was Tyler Pratt, who was a Clemson graduate," and currently works for the University of South Carolina on shared property with Clemson and Hobcaw Barony.

That evening, the students had dinner with Jim Anderson at The Root in the historic waterfront of Georgetown where they discussed the course and future career objectives.

Before returning to Clemson, the students stopped for a private tour of the Gullah Museum, led by Janette Rodrigues and her sister Beatrice. The students were given a comprehensive overview

2025 FOOD, PACKAGING & SUSTAINABILITY SUMMIT APPROACHING QUICKLY

BY CLEMSON UNIVERSITY

CLEMSON, S.C. — Featuring an exceptional lineup of speakers, the annual Clemson FRESH Food, Packaging & Sustainability Summit will take place March 3 – 5 at Clemson University.

Filled with insights from esteemed thought leaders in both industry and academia, the Summit serves as a dynamic platform for exploring collaborative efforts, innovative solutions and forward-thinking ideas through a variety of presentations and engaging events.

The event's theme, "Creating Value While Advancing Sustainability" will be brought to life by distinguished speakers, each a trailblazer in sustainability, innovation and leadership.

In addition to waterfall hikes and a tour of the South Carolina Botanical Garden, the list of events and speakers includes:

ALIGNING SUSTAINABILITY AMBITIONS WITH THE VALUE CREATION IMPERATIVE

Sustainability ambitions of companies in the agri-food value chain often stall out or fall short of their intended impact. Yet, in many cases, opportunities are missed to more fully align those efforts with the full agricultural production value chain and to the financial imperative within companies. The good news — companies are invested in sustainable outcomes for the long term.

By focusing on articulating and delivering value, sustainability efforts prove their worth within the commercial business and build better relationships with partners in the field-to-consumer chain. Such a value creation approach, supported by emerging incentives and financing mechanisms, can create opportunities for input suppliers, producers, processors, manufacturers/ packaging and retailers.

BUILDING THE BUSINESS CASE FOR SUSTAINABILITY

As the business imperative for sustainability continues to increase and evolve, the need to create a culture of change and innovation is higher than ever before. Hear from Charter Next Generation (CNG) Chairman and Chief Executive Officer, Kathy Bolhous, on the intentionality and actions that have led to their leadership position in sustainable films and flexible packaging, including near- and longer-term strategies, investments and commitments.

THE MAKING OF A SUSTAINABLE BATTERY PLANT

In 2023, BMW announced the investment of \$700 million to build a new high-voltage battery assembly plant in Woodruff, South Carolina. When completed in 2026, the plant will produce sixth-generation batteries to supply fully electric vehicles at nearby BMW Manufacturing in Spartanburg, the largest plant in BMW's global network of vehicle

manufacturing facilities. By 2030, the Spartanburg manufacturing facility will produce six fully electric vehicles. Located on 315 acres, the Woodruff facility will be more than one million square feet in size and will be state-of-the-art in terms of sustainability, flexibility and digitization. Join Rich Everly for a fascinating account of the role that sustainability played in designing the new battery plant, and the seventeen distinct sustainability initiatives that are integrated into the overall construction.

DELIVERING VALUE WHILE MAINTAINING SUSTAINABILITY

Advancing sustainability goals does not always equal a hit to your bottom line. While costs can arise when adopting and adapting to more sustainable technologies and materials, there are often other areas of value generation that go overlooked. Sustainable goals can produce reduction in energy consumption and emissions and can reduce input costs through recycling and driving circularity. Josh Oleson, SVP Packaging Supply Chain, for global sourcing and packaging services provider TMS, will share examples of the value that he has experienced through sustainable activities for consumer packaging in the foodservice industry.

Interested in learning more from these speakers? Visit freshsustainabilitysummit.com and register for the 2025 Summit.

USDA NOW ACCEPTING APPLICATIONS FOR THE 1890 NATIONAL SCHOLARS PROGRAM

BY USDA

WASHINGTON, January 7, 2025 – The U.S. Department of Agriculture (USDA) is accepting applications for the USDA 1890 National Scholars Program, which aims to encourage students at 1890 land-grant universities to pursue career paths in food, agriculture, natural resource sciences, or related academic disciplines. The application deadline is March 1, 2025.

Young people around the country are invited to complete and submit their applications online through an e-application. Administered through USDA's Office of Partnerships and Public Engagement (OPPE), the USDA 1890 National Scholars Program is available to eligible high school seniors entering their freshman year of college as well as rising college sophomores and juniors.

"The USDA 1890 National Scholars Program enhances career opportunities for students at 1890 land-grant universities," said USDA Office of Partnerships and Public Engagement Director Lisa Ramirez. "The program has also been an effective tool to help USDA recruit and retain highly qualified students into careers in food, agricultural science, natural resources and related fields."

The USDA 1890 National Scholars Program is a partnership between USDA and the 19 land-grant universities that were established in the Morrill Land Grant Act of 1890. USDA partners with these 1890 universities to provide scholarship recipients with full tuition, fees, books and room and board. Scholarship recipients attend one of the 1890 land-grant universities and pursue degrees

in agriculture, food, natural resource sciences, or related academic disciplines. The scholarship also provides work experience at USDA through summer internships. Scholars accepted into the program are eligible for noncompetitive conversion to a permanent appointment with USDA upon successful completion of their degree requirements and program requirements by the end of the agreement period. The program awarded 94 scholarships in the 2024 cohort of 1890 Scholars.

For more information, contact partnerships@usda.gov.

USDA has a long history of developing the next generation of agricultural leaders at, and providing support to, public land-grant universities, such as those established under the Second Morrill Act of 1890. These institutions emphasize building and

sustaining tomorrow's food, agriculture, natural resources and human sciences workforce.

The 19 members of the 1890 universities system are: Alabama A&M, Alcorn State University, Central State University, Delaware State University, Florida A&M University, Fort Valley State University, Kentucky State University, Langston University, Lincoln University, North Carolina A&T State University, Prairie View A&M University, South Carolina State University, Southern University and A&M College, Tennessee State University, Tuskegee University, University of Arkansas Pine Bluff, University of Maryland Eastern Shore, Virginia State University and West Virginia State University.

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